

Best Science shows Logging to Reduce Fuels is not only Ineffective at Reducing Fire Intensity and Rate of Spread, but sometimes Exacerbates Fire Behavior. Since Fuels Reduction is a Favorite USFS Excuse to Log Public Land its Employees are Taught to Ignore and Deny this Information.

Agee, James K. Ph.D. **"The Severe Weather Wildfire-Too Hot to Handle?"**
Northwest Science, Vol. 71, No. 1, 1997
http://www2.for.nau.edu/courses/pzf/FireEcolMgt/Agee_97.pdf

Barry, Glen, Ph.D. **“Commercial Logging Caused Wildfires”**
Published by the *Portland Independent Media Center*, August 2002.
<http://portland.indymedia.org/en/2002/08/17464.shtml>

Berry, Alison Ph.D., 2007. **"Forest Policy Up in Smoke: Fire Suppression in the United States."** A PERC publication.
http://www.law.northwestern.edu/searlecenter/papers/Berry_forest_policy.pdf

Bessie, W. C. Ph.D. and E. A. Johnson Ph.D. "The Relative Importance of Fuels and Weather on Fire Behavior in Subalpine Forests" *Ecology*, Vol. 76, No. 3 (Apr., 1995) pp. 747-762. Published by: [Ecological Society of America](http://www.jstor.org/pss/1939341)
<http://www.jstor.org/pss/1939341>

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“Under severe conditions, fires burn through all kinds of fuel loads including thinned/logged forests. Contrary to what the U.S. Forest Service has stated about the Ojo Peak Fire, local witnesses have said the fire blew right through the hotter, drier thinned forests where the cooling effect of forest canopy had been removed.”

Bird, Bryan “**Fires Normal Part of Ecology - Fear of fires ungrounded**”

Mountain View Telegraph, December 20, 2007

<http://www.wildearthguardians.org/library/paper.asp?nMode=1&nLibraryID=567>



Fuels reduction Opposing View #6 - “The Forest Service is using the fear of wildfires to allow logging companies to remove medium-and large-diameter trees that they can sell, rather than just the small trees and brush that can make fires more severe. There is little evidence to show that such logging will prevent catastrophic fires; on the contrary, logging roads and industrial logging cause wildfires. Bush is a well known supporter of the timber industry and has accepted huge sums of money from wealthy timber company leaders. He is promoting misinformation about forest fires in order to benefit timber industry campaign contributors.”

“**Bush Fire Policy: Clearing Forests So They Do Not Burn**”

FOREST CONSERVATION NEWS TODAY, August 27, 2002

http://forests.org/archived_site/today/recent/2002/tiporefl.htm



Fuels reduction Opposing View #7 - “As someone with first-hand experience in fire hazard reduction and first-hand knowledge of the forest management field, as well as someone with lifelong roots in the Durango community, I am abhorred by the destruction, nearly amounting to clear cutting, that is taking place around our community under the guise of “fire hazard reduction.” “

Coe, Nathan J. “**Forestry shouldn’t be an ‘industry’**”

Durango Herald, February 12, 2011

<http://www.durangoherald.com/article/20110213/OPINION03/702139987/Forestry-shouldn%E2%80%99t-be-an-%E2%80%98industry%E2%80%99>

Forest Policy Research paper
2008 “**Montana: Blackfoot Clearwater Stewardship Proposal is all about selling out to Pyramid lumber**”
<http://forestpolicyresearch.org/2008/12/19/blackfoot-clearwater-stewardship-proposal-is-all-selling-out-to-pyramid-lumber/>

Forest Policy Research paper
2008 “**California: Too often thinning treatments tend to increase fire hazards**”
<http://forestpolicyresearch.org/2008/12/19/california-too-often-thinning-treatments-tend-to-increase-fire-hazards/>

“The report was authored by Noon; Clark University professor Dominik Kulakowski ; Scott Black, executive director of the Xerces Center for Invertebrate Conservation and Dominick DellaSala, president and chief scientist for the National Center for Conservation Science and Policy.”

http://www.newwest.net/topic/article/logging_wont_halt_beetles_fire_report_says/C41/L41/

<http://www.xerces.org/2010/03/04/battling-beetles-may-not-reduce-fire-risks-report/>

<http://www.nationalaglawcenter.org/assets/crs/RL34517.pdf>

"Mechanically removing fuels (through commercial timber harvesting and other means) can also have adverse effects on wildlife habitat and water quality in many areas. Officials told GAO that, because of these effects, a large-scale expansion of commercial

Government Accounting Office
“Western National Forests: A Cohesive Strategy is Needed to Address Catastrophic Wildfire Threats”
 GAO/RCED-99-65
<http://www.gao.gov/archive/1999/rc99065.pdf>

“As it offers timber for sale to loggers, the Forest Service tends to ‘focus on areas with high-value commercial timber rather than on areas with high fire hazards,’ the report said. Its sales include ‘more large, commercially valuable trees’ than are necessary to reduce the so-called accumulated fuels (in other words, the trees that are most likely to burn in a forest fire).”

“The truth is that timber sales are causing catastrophic wildfires on national forests, not alleviating them. The Sierra Nevada Ecosystem Project Report, issued in 1996 by the federal government, found that ‘timber harvest, through its effects on forest structure, local microclimate and fuel accumulation, has increased fire severity more than any other recent human activity.’ The reason goes back to the same conflict that the G.A.O. found: loggers want the big trees, not the little ones that act as fuel in forest fires.”

“After a ‘thinning’ timber sale, a forest has far fewer of the large trees, which are naturally fire-resistant because of their thick bark; indeed, many of these trees are centuries old and have already survived many fires. Without them, there is less shade. The forest is drier and hotter, making the remaining, smaller trees more susceptible to burning. After logging, forests also have accumulations of flammable debris known as “slash piles” -- unsalable branches and limbs left by logging crews.”

Hanson, Chad Ph.D., **“Commercial Logging Doesn't Prevent Catastrophic Fires, It Causes Them.”** Published in the *New York Times*, May 19, 2000
<http://www.commondreams.org/views/051900-101.htm>



Fuels reduction Opposing View #15 - “Emerging science demonstrates that the real culprit for creating more wildfires — including southern California's blazes — is not "fuels" but climate and weather. Climate change simply means we must learn to live with more wildfires.

Humankind can be pretty smart (we made it to the Moon), but we can also be pretty stupid (we're destroying the lungs of the planet for profit). One thing, however, is certain: Mother Nature knows best. So let's be responsible and stop logging the publicly owned forests, let them recover and let God and nature back in.”

Hermach, Tim. **“The Skinny on Thinning, Should we save the forest from itself?”**
Published by the *Eugene Weekly Viewpoint*, 11/1/07
http://www.forestcouncil.org/tims_picks/view.php?id=1211



Fuels reduction Opposing View #16 - “In general, rate of spread and flame length were positively correlated with the proportion of area logged (hereafter, area logged) for the sample watersheds. Correlation coefficients of area logged with rate of spread were > 0.57 for five of the six river basins (table 5). Rate of spread for the Pend Oreille and Wenatchee River basins was strongly associated (r=0.89) with area logged. Correlation of area logged with flame length were > 0.42 for four of six river basins (table 5). The Deschutes and Methow River basins showed the strongest relations. All harvest techniques were associated with increasing rate of spread and flame length, but strength of the associations differed greatly among river basins and harvesting methods.” (pg.9)

“As a by-product of clearcutting, thinning, and other tree-removal activities, activity fuels create both short- and long-term fire hazards to ecosystems. The potential rate of spread and intensity of fires associated with recently cut logging residues is high, especially the first year or two as the material decays. High fire-behavior hazards associated with the residues can extend, however, for many years depending on the tree. Even though these hazards diminish, their influence on fire behavior can linger for up to 30 years in the dry forest ecosystems of eastern Washington and Oregon.”

Huff, Mark H. Ph.D.; Ottmar, Roger D.; Alvarado, Ernesto Ph.D.
Vihnaneek, Robert E.; Lehmkuhl, John F.; Hessburg, Paul F. Ph.D.

Everett, Richard L. Ph.D. 1995. **“Historical and current forest landscapes in eastern Oregon and Washington. Part II: Linking vegetation characteristics to potential fire behavior and related smoke production”** Gen. Tech. Rep. PNW-GTR-355. USDA Forest Service, Pacific Northwest Research Station.
<https://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/4706/PB96155213.pdf;jsessionid=C8DDB611DB29D3716BBF313AADBA2E70?sequence=1>



Fuels reduction Opposing View #17 - “The notion that commercial logging can prevent wildfires has its believers and loud proponents, but this belief does not match up with the scientific evidence or history of federal management practices. In fact, it is widely recognized that past commercial logging, road-building, livestock grazing and aggressive firefighting are the sources for "forest health" problems such as increased insect infestations, disease outbreaks, and severe wildfires.”

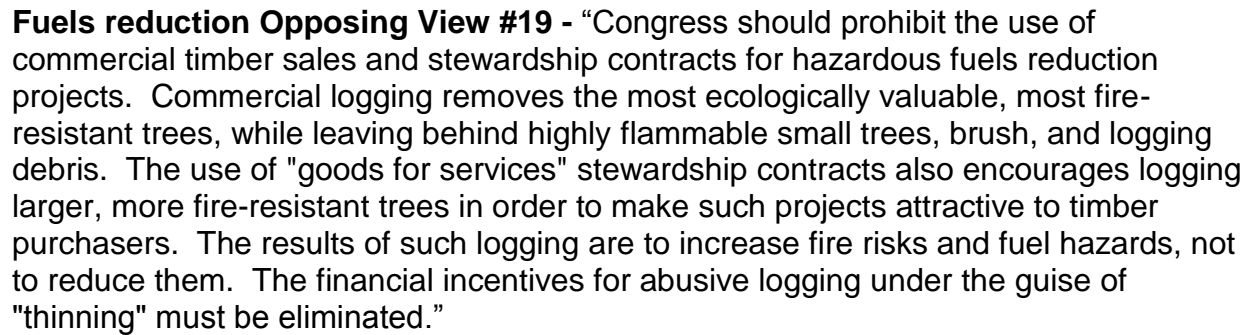
“How can the sources of these problems also be their solution? This internal contradiction needs more than propaganda to be resolved. It is time for the timber industry and their supporters to heed the facts, not fantasies, and develop forest management policies based on science, not politics.”

Ingalsbee, Timothy Ph.D. 2000. **“Commercial Logging for Wildfire Prevention: Facts Vs Fantasies”**
http://www.fire-ecology.org/citizen/logging_and_wildfires.htm



Fuels reduction Opposing View #18 - "Problems exist with over-generalizing the effects of fire exclusion, and misapplying data derived from short-interval forest ecosystems (e.g. ponderosa pine stands) to long-interval forest ecosystems that have not missed their fire cycles yet and are still within their historic range of variability for stand-replacing fire events (e.g. high elevation lodgepole pine or fir stands)."

Ingalsbee, Timothy Ph.D. 2000. **“Money to Burn: The Economics of Fire and Fuels Management, Part One: Fire Suppression.”** “An American Lands Alliance publication.
www.fire-ecology.org/research/money_to_burn.html



Fuels reduction Opposing View #20 - “Thus, the use of commercial logging for fire hazard reduction poses yet another paradox: Logging removes the trees that normally survive fires, leaves behind the trees that are most often killed by fire, increases flammable fuel loads, and worsens fire weather conditions.” (pg. 5)

Fuels reduction Opposing View #21 - "In the face of growing public scrutiny and criticism of the agency's logging policies and practices, the Forest Service and their enablers in Congress have learned to mask timber sales as so-called 'fuels reduction' and 'forest restoration' projects. Yet, the net effect of these logging projects is to actually increase fire risks and fuel hazards."

"Decades of encouraging private logging companies to take the biggest, oldest, most fire-resistant trees from public lands, while leaving behind a volatile fuel load of small trees, brush, weeds, stumps and slash has vastly increased the flammability of forestlands."

"In addition to post-fire salvage logging, the Forest Service and timber industry advocates in Congress have been pushing pre-fire timber sales, often falsely billed as hazardous fuels reduction or 'thinning' projects, to lower the risk or hazard of future wildfires. In too many cases, these so-called thinning projects are logging thick-diameter fire-resistant overstory trees instead of or in addition to cutting thin-sized fire-susceptible understory trees. The resulting logging slash and the increased solar and wind exposure can paradoxically increase the fuel hazards and fire risks."

Ingalsbee, Timothy Ph.D. **"Fanning the Flames! The U.S. Forest Service: A Fire-Dependent Bureaucracy."**

Missoula Independent. Vol. 14 No. 24, June 2003

http://www.fire-ecology.org/research/USFS_fire_dependent.html



Fuels reduction Opposing View #22 - "More than any other recent human activity, the legacy of commercial timber extraction has made public forests more flammable and less resilient to fire. Firstly, clearcut and high-grade logging have historically taken the largest, most fire-resilient, most commercially-valuable trees, and left behind dead needles and limbs (logging debris called "slash"), along with smaller trees and brush that are less commercially valuable but more flammable than mature and old-growth trees. The net effect is to increase the amount of available hazardous fuel."

"Secondly, the removal of large overstory trees also changes the microclimate of logged sites, making them hotter, drier, and windier, which increases the intensity and rate of spread of wildfires. Third, the creation of densely-stocked even-aged plantations of young conifers made sites even more flammable since this produced a solid mass of highly combustible conifer needles within easy reach of surface flames. These changes in the fuel load, fuel profile, and microclimate make logged sites more prone to high-intensity and high-severity wildfires."

Ingalsbee, Timothy Ph.D. 2005. **"A Reporter's Guide to Wildland Fire."**

Published by the Firefighters United for Safety, Ethics, and Ecology (FUSE), January 2005

<http://www.commondreams.org/news2005/0111-14.htm>



Fuels reduction Opposing View #25 - “Fear of wildfire is heavily used to sell these forest “restoration” schemes. Logging has not been proven, in practice, to reduce fire frequency or intensity. Historically, the largest, most destructive blazes, like the Tillamook conflagration, were caused from logging or fueled by slash. Unlogged forests, cool and shaded, are typically more fire resistant than cut over, dried-up stands choked with slash and weeds.

Large-scale logging (by any name) has devalued our forests, degraded our waters, damaged soils, and endangered a wide variety of plants and animals. How will the current round of politically and environmentally propelled ‘restorative’ logging proposals differ, in practice, from past logging regimes?”

Keene, Roy **Restorative Logging? “More rarity than reality”**

Guest Viewpoint, the Eugene *Register Guard*

March 10, 2011

<http://eugeneweekly.com/2011/03/03/views3.html>



Fuels reduction Opposing View #26 - “There is a gathering body of evidence that large wildfires are not determined by “unnatural” fuel loading. Lodgepole pine, subalpine fir, and aspen depend on infrequent, stand-replacing, high intensity fires. Most of the B-D NF is well within the natural range of variability. In fact, dense forest stands may not be caused by fire exclusion, but by a series of consecutive wet years that boosted seedling survival and expanded the local range.

Drought, wind, and low humidity, not fuels loads, drive large wildfires. Weather and climatic conditions are also the driving force behind expanding insect populations.”

Kelly, Steve Ph.D. 2007. **“Cheap Chips, Counterfeit Wilderness: Greenwashing Logging on Montana's Biggest National Forest.”**

Published by the World Prout Assembly

http://www.worldproutassembly.org/archives/2007/12/cheap_chips_cou.html

“Qualitative analysis by CRS supports the same conclusion. The CRS stated: “[T]imber harvesting removes the relatively large diameter wood that can be converted into wood products, but leaves behind the small material, especially twigs and needles. The concentration of these fine fuels on the forest floor increases the rate of spread of wildfires.” Similarly, the National Research Council found that logging and clearcutting can cause rapid regeneration of shrubs and trees that can create highly flammable fuel conditions within a few years of cutting.”

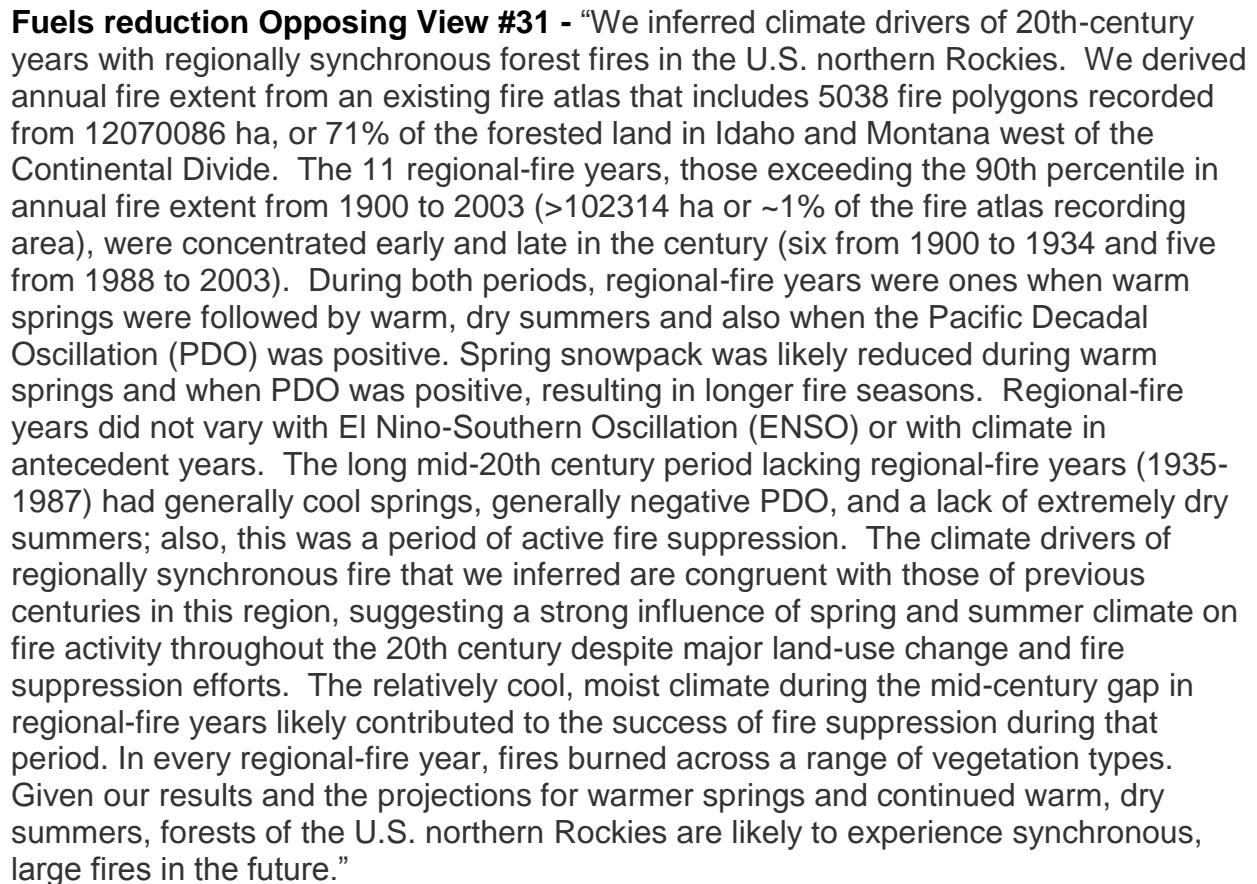
Fuels reduction Opposing View #28 - “I will turn first to forest thinning aimed at reducing fire risks. There is surprisingly little scientific information about how thinning actually affects overall fire risk in national forests.”

Lawrence, Nathaniel, NRDC senior attorney
“Gridlock on the National Forests” Testimony before the U.S. House

Leitner, Brian. "Logging Companies are Responsible for

“The increases in fire extent and frequency are strongly linked to higher March-through-August temperatures and are most pronounced for mid-elevation forests in the northern Rocky Mountains.

“More Large Forest Fires Linked To Climate Change”
Adapted from materials provided by the University of Arizona
ScienceDaily, July 10, 2006
<http://www.sciencedaily.com/releases/2006/07/060710084004.htm>



Fuels reduction Opposing View #32 - "Still, forestry experts warned in the 2000 plan that logging should be used carefully and rarely; in fact, the original draft states plainly that the "removal of large merchantable trees from forests does not reduce fire risk and may, in fact, increase such risk."

“Now, critics charge that the Bush administration is ignoring that warning. Neil Lawrence, a policy analyst with the Natural Resource Defense Council, claims that Washington has taken a far more aggressive approach to incorporating commercial logging in its wildfire prevention plans. As a result, Lawrence and other critics say, the National Fire Plan is becoming a feeding ground for logging companies. Moreover, critics claim the administration's strategy, far from protecting the lives and homes of those most at risk, could actually increase the likelihood of wildfires.”

Okoand Ilan Kayatsky, Dan. “**Fight Fire with Logging?**”
Mother Jones, August 1, 2002
<http://www.motherjones.com/news/feature/2002/08/fireplan.html>



Fuels reduction Opposing View #33 - “Fuel reduction treatments should be forgone if forest ecosystems are to provide maximal amelioration of atmospheric carbon dioxide over the next 100 years,' the study authors wrote in their conclusion. 'If fuel reduction treatments are effective in reducing fire severities in the western hemlock, Douglas-fir forests of the west Cascades and the western hemlock, Sitka spruce forests of the Coast Range, it will come at the cost of long-term carbon storage, even if harvested materials are used as biofuels.’ ”

Oregon State University Research
Science Centric, July 9, 2009
<http://www.sciencecentric.com/news/article.php?q=09070918-forest-fire-prevention-efforts-will-lesser-carbon-sequestration-add-greenhouse-warming>



Fuels reduction Opposing View #34 - “While top officials blame recent fires on fuels, all the on-the-ground reports I've read focus on the weather.”

O'Toole Randal. “**Incentives, Not Fuels, Are the Problem**”
Published by the Thoreau Institute
<http://www.ti.org/fireshort.html>



Fuels reduction Opposing View #35 - “This paper will show that built-up fuels are *not* the main reason, or even a major reason, for recent severe fires or high fire suppression costs. The weather is the prime reason for widespread fires this year as well as in 2000, 1999, and other recent years. But the major reason for increased costs is institutional: The federal land agencies, and especially the Forest Service, have a blank check to put out fires and thus have no reason to control their costs. If fuels are not the problem, then it isn’t necessary to spend \$400 million a year treating them.”

O’Toole, Randal. 2002. “**Reforming the Fire Service: An Analysis of Federal Fire Budgets and Incentives.**” The Thoreau Institute.
www.ti.org/firesvc.pdf



Fuels reduction Opposing View #36 - “Post-fire reports on individual fires make little or no mention of excess fuels. Instead, fire scientists agree that drought is the cause of the severe fires in recent years. This year’s Rodeo- Chedisky Fire, the largest fire in Arizona history, was on heavily managed and thinned federal lands, not an untouched wilderness brimming with excess fuels.”

O’Toole, Randal. “**Money to Burn?**”
Regulation, Winter 2002 - 2003
<http://www.cato.org/pubs/regulation/regv25n4/v25n4-6.pdf>



Fuels reduction Opposing View #37 - “The current focus on ‘fuels’ is, in itself, misguided because almost anything in a forest will burn, given the right conditions. Any fire specialist will tell you that the principal factors affecting fire are temperature and moisture, not fuels. No legislation will prevent or even reduce fires in the vast areas of the national forests and to pretend so is fraudulent.”

Partridge, Arthur Dean Ph.D.

Peterson, Mike

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http://agriculture.senate.gov/Hearings/testimony.cfm?id=824&wit_id=2258

Platt, Rutherford V. Ph.D., Thomas T. Veblen Ph.D., and Rosemary L. Sherriff **“Are Wildfire Mitigation and Restoration of Historic Forest Structure Compatible? A Spatial Modeling Assessment”** Published Online: by the Association of American Geographers. Sep. 8, 2006
<http://www.ingentaconnect.com/content/routledg/anna/2006/00000096/00000003/art00001>

Nothing could be further from the truth. Of course clearcuts burn. When long, hot summers dry out the grasses, brush, and logging wastes, they can flare explosively. When they grow thick with closely packed young trees, they present exactly the fire danger we are wrestling with now. The logging roads provide human access that is the source of the vast majority of forest fires.

If roading and logging eliminated the threat of wildfire, most of the fires that threaten us now would not be burning. Look at where these fires are: They are largely burning on the forest-urban interface in areas adjacent to intense human activity. In Western Montana, for instance, the fires are burning in the forests adjacent to some of the rapidly growing residential areas in the nation, the Bitterroot, Helena, and Clark Fork Valleys. These are not roadless areas that have never been logged. Quite the contrary, they are areas that were roaded and logged in the past. Those roads often have then provided access for the human activity that now dominates these areas, including the home building, residential settlement of the last two decades, and recreational activity. The trees now burning are usually second growth that followed past logging.”

Power, Thomas Ph.D. **”Thee Politics of Forest Fires -- The Abuse of Other People’s Hard Times.”**

8/15/2000

Thomas Michael Power is the Professor and Chairman of the Economics Department,
University of Montana

<http://www.forwolves.org/ralph/tompower.htm>

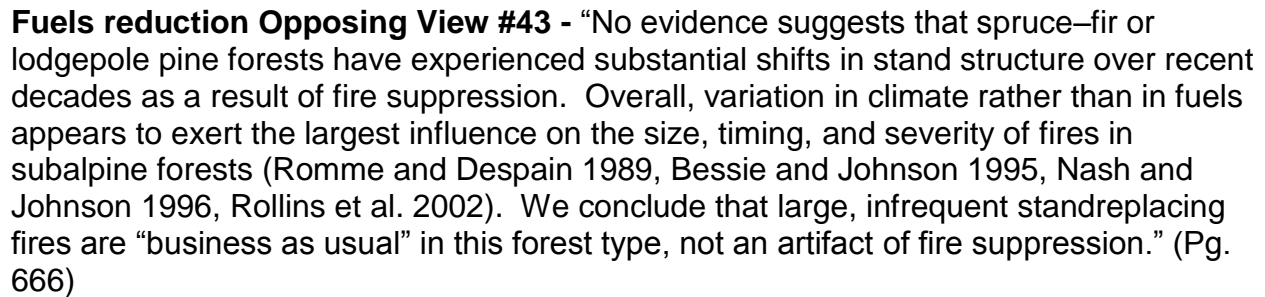


Fuels reduction Opposing View #42 - “It is well established that logging and roadbuilding often increase both fuel loading and fire risk. For example, the Sierra Nevada Ecosystem Project (SNEP) Science Team (1996) concluded that “timber harvest.... has increased fire severity more than any other recent human activity” in the Sierra Nevada. Timber harvest may increase fire hazard by drying of microclimate associated with canopy opening and with roads, by increases in fuel loading by generation of activity fuels, by increases in ignition sources associated with machinery and roads, by changes in species composition due to opening of stands, by the spread of highly flammable non native weeds, insects and disease, and by decreases in forest health associated with damage to soil and residual trees (DellaSala and Frost, 2001; Graham et al., 2001; Weatherspoon et al., 1992; SNEP Science Team, 1996). Indeed a recent literature review reported that some studies have found a positive correlation between the occurrence of past logging and present fire hazard in some forest types in the Interior Columbia Basin (DellaSala and Frost, 2001).”

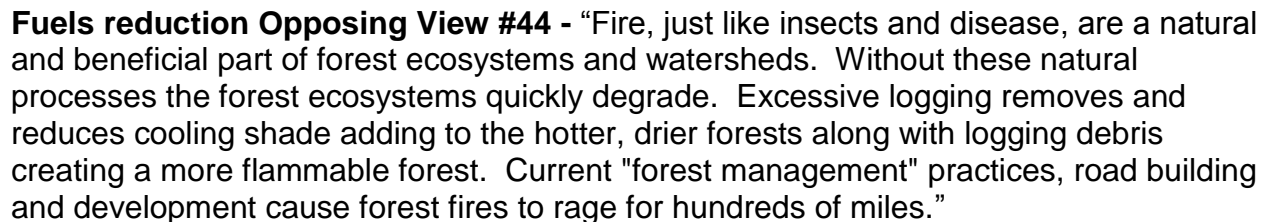
Roberson, Emily B. Ph.D., Senior Policy Analyst, California Native Plant Society

Excerpt from a letter to Chief Dale Bosworth and 5 members of congress, 2002

<http://www.plantsocieties.org/PDFs/Fire%20letter%20CNPS%208.02%20letterhead.pdf>



Schoennagel, Tania Ph.D., Thomas T. Veblen Ph.D., and William H. Rommie Ph.D. **"The Interaction of Fire, Fuels, and Climate across Rocky Mountain Forests"**
Bioscience, July 2004 / Vol. 54 No. 7
http://www.montana.edu/phiguera/GEOG430/PurdyFireFieldTrip/Schoennagel_et_al_2004_Bioscience.pdf



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Fuels reduction Opposing View #45 - “Commercial logging and logging roads open the forest canopy, which can have two effects. First, it allows direct sunlight to reach the forest floor, leading to increased evaporation and drier forests.⁵ As a consequence, ground fuels (grass, leaves, needles, twigs, etc.) dry out more quickly and become susceptible to fire. Second, an open canopy allows more sunlight to reach the understory trees, increasing their growth.⁶ This can lead to weaker, more densely-packed forests.” (pgs. 19-20)

“Congress and the Forest Service continue to rely on the commercial logging program to do something it will never accomplish – reduce fire risk. The commercial logging program is designed to provide trees to private timber companies, not to reduce the risk of fire.” (pg. 20)

Taxpayers for Common Sense. “From the Ashes: **Reducing the Harmful Effects and Rising Costs of Western Wildfires**”
Washington DC , Dec. 2000
<http://www.ourforests.org/fact/ashes.pdf>



Fuels reduction Opposing View #46 - “Indiscriminate logging is not a viable solution to reducing wildfire risk. Logging can actually increase fire danger by leaving flammable debris on the forest floor. Loss of tree canopy lets the sun in, encouraging the growth of brush, increases wind speed and air temperature, and decreases the humidity in the forest, making fire conditions even worse.”

Thomas, Craig. “**Living with risk: Homeowners face the responsibility and challenge of developing defenses against wildfires.**” *Sacramento Bee* newspaper, July 1, 2007.
http://www.sierraforestlegacy.org/NR_InTheNews/SFLIP_2007-07-01_SacramentoBee.php



Fuels reduction Opposing View #47 - "Timber harvest, through its effects on forest structure, local microclimate, and fuels accumulation, has increased fire severity more than any other recent human activity." (pg.62)

University of California; SNEP Science Team and Special Consultants
1996 "*Sierra Nevada Ecosystem Project: Final Report to Congress*"
Volume 1, Chapter 4 – Fire and Fuels.
http://ceres.ca.gov/snep/pubs/web/PDF/v1_ch04.pdf



Fuels reduction Opposing View #48 - "Why is the natural fire regime in most Rocky Mountain ponderosa pine–Douglas fir forests variable in severity? Extended droughts and high winds can lead to exceptional fire spread across a broad spectrum of fuel loads and forest structures. For example, almost 25,000 ha of ponderosa pine–Douglas fir forest burned on a single day (9 June 2002), driven by strong winds (Finney et al., 2003). Yet, brief episodes when the winds declined and fuel moisture rose, led to low-severity fire in the same landscape (Finney et al., 2003), suggesting that extreme weather, not fuels, was the chief cause of high-severity fire under those conditions. Even during summer, ponderosa pine–Douglas fir landscapes in the Rocky Mountains are subject to rapid increases in wind speed and changes in direction from jet streams or cold fronts (Baker, 2003)." (pg. 5)

USDA Forest Service
BALD ANGEL VEGETATION MANAGEMENT PROJECT ENVIRONMENTAL
ASSESSMENT. La Grande Ranger District, Wallowa-Whitman National Forest
December 2006
https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/6608/Wallowa_Whitman_Bald_Angel_Vegetation_Management_EA.pdf?sequence=1



Fuels reduction Opposing View #49 - "Ironically, this very type of logging, experts inform us, is likely to increase, not decrease, the frequency and severity of wildland fires.

In the Forest Service's own National Fire Plan, agency scientists warned against the use of commercial logging to address fire management. The report found that 'the removal of large, merchantable trees from forests does not reduce fire risk and may, in fact, increase such risk.' "

http://www.baltimorechronicle.com/firelies_jul02.shtml

<http://www.npr.org/templates/story/story.php?storyId=5541423>



Fuels reduction Opposing View #52 - “Indeed, climatic conditions drive all big fires — not fuels. All substantial fires occur only if there is extended drought, low humidity, high temperatures and, most importantly, high winds. Wind, in particular, is critical. Wind increases fire spread exponentially.

When conditions are "ripe" for a large blaze, fires will burn through all kinds of fuel loads. By contrast if the forest is wet like Oregon's coastal forests, you can have all the fuel in the world, and it won't burn.

For this reason, most fires go out without burning more than a few acres. By contrast, when you have drought, low humidity, high temperatures and wind, a few blazes will grow into huge fires. For this reason, approximately 1 percent of all fires are responsible for about 95 to 99 percent of the acreage burned.”

Wuerthner, George

“The Climate Factor - Forest thinning won't deter the coming large fires”

Eugene Weekly, December 6, 2007

<http://www.eugeneweekly.com/2007/12/06/views3.html>



Fuels reduction Opposing View #53 - “Another surprising finding is that mechanical fuels treatment, commonly known as logging and thinning, typically has little effect on the spread of wildfires. In fact, in some cases, it can increase wildfires’ spread and severity by increasing the fine fuels on the ground (slash) and by opening the forest to greater wind and solar penetration, drying fuels faster than in unlogged forests.”

Wuerthner, George. **“Logging, thinning would not curtail wildfires”**

The Eugene Register-Guard, December 26, 2008

<http://wuerthner.blogspot.com/2008/12/logging-thinning-would-not-curtail.html>



Fuels reduction Opposing View #54 - “For example, the Forest Service justifies the Elliston Face timber sale on the basis of reducing what they call “hazardous” fuels (which as an ecologist I call woody biomass). To quote the FS, “This project would reduce wildland fire risk and help protect lives, communities, and ecosystems from the potential consequences of a high-intensity wildland fire within treatment areas.” “

“The Forest Service makes these assertions even though the statement is full of falsehoods, misleading and/or unproven assumptions.”

“even the Forest Service’s own analysis concludes that logging of the Elliston Face will have some adverse impacts on soils, watersheds, wildlife, scenery and recreation. So we need to ask whether the potential effects of a fire that may not occur for a century or more is worth the negative impacts created by the logging process now?”

“The Forest Service’s own analysis has six indicator species— including pileated woodpecker, hairy woodpecker, martin, northern goshawk. These species depend on dead snags and down wood that pine beetles and wildfire create. But the FS treats beetles and wildfire as unwelcome events.”

“the FS exploits the fears of misinformed citizens. One can only conclude the agency is still the handmaiden to the timber industry rather than a public servant working on behalf of all citizens of the country.”

Wuerthner, George **“Forest Service misses education opportunity”**

Published in *NewWest*, June 2010

http://www.newwest.net/topic/article/elliston_face_is_yet_another_example_of_forest_service_malfeasance/C564/L564/



Fuels reduction Opposing View #55 - “Ultimately, fuels do not control fires. If the climate/weather isn’t conducive for fire spread, it doesn’t much matter how much dead wood you have piled up, you won’t get a large fire. As an extreme example, think of all the dead wood lying around on the ground in old-growth West Coast rainforests — tons of fuel, but few fires — because it’s too wet to burn.

Large blazes are driven by a combination of extreme drought, low humidity, high temperatures and, most importantly, wind. These conditions do not occur in the same place at the same time very frequently — which is why there are often decades to centuries between major blazes and most fires go out without burning more than a few acres.”

Wuerthner, George **“Pine Beetle Fears Misplaced”**

Helena Independent Record, March 25, 2010

http://helenair.com/news/opinion/article_f3d671f0-37c9-11df-921d-001cc4c002e0.html



Fuels reduction Opposing View #56 - “In the last analysis, the politics of forest thinning promotes more logging. The timber industry has successfully sold the idea that fuel reductions work and it has great influence with politicians who buy into its assurance that logging reduces large fires.”

“So is there any place for forest thinning/fuel reductions? There is. But it should be limited to the areas immediately surrounding homes and communities. Since one can’t predict where a fire will start and burn, thinning forest willy-nilly is a waste of effort. Not only are most thinning projects done improperly, most are done for the wrong reasons and lose taxpayer money to boot.”

“Thinning trees/shrubs near homes, combined with a reduction in home flammability by installation of metal roofs, removal of flammable materials adjacent to homes, and other measures can virtually guarantee a home will survive even a severe high intensity forest fire.”

Wuerthner, George

“WHY THINNING FORESTS IS POOR WILDFIRE STRATEGY”

Published in the *Wildlife News*, January 27, 2014

<http://www.thewildlifeneeds.com/2014/01/27/why-thinning-forests-is-poor-wildfire-strategy/>